

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

3A  
10/1/01

In re Patent Application of

TACHIWAMA

Atty. Ref.: 330-237

Serial No. Unknown

Group:

Filed: May 24, 2001

Examiner:

For: OPTICAL GLASS AND PROCESS FOR THE PRODUCTION OF OPTICAL PRODUCTS

\* \* \* \* \*

May 24, 2001

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**PRELIMINARY AMENDMENT**

In order to place the above-identified application in better condition for examination,  
please amend the application as follows:

**IN THE CLAIMS**

Please substitute the following amended claims for corresponding claims previously  
presented. A copy of the amended claims showing current revisions is attached.

A<sup>1</sup> 7. (Amended) The optical glass of claim 5, which contains, by % by weight, 6 to 9 % of SiO<sub>2</sub>, 9 to 12 % of B<sub>2</sub>O<sub>3</sub> and 0 to 5 % of GeO<sub>2</sub> and has an SiO<sub>2</sub>, B<sub>2</sub>O<sub>3</sub> and GeO<sub>2</sub> total content of 16 to 19 % by weight.

A<sup>2</sup> 11. (Amended) The optical glass of claim 9, which has a glass composition comprising, by % by weight, 3 to 10 % of SiO<sub>2</sub>, 7 to 15 % of B<sub>2</sub>O<sub>3</sub>, 0 to 5 % of GeO<sub>2</sub>, 0 to 15 % of ZnO, 30 to 60 % of La<sub>2</sub>O<sub>3</sub>, 0 to 30 % of Gd<sub>2</sub>O<sub>3</sub>, 0 to 10 % of Y<sub>2</sub>O<sub>3</sub>, 0 to 5 % of Yb<sub>2</sub>O<sub>3</sub>, 2 to 8 % of ZrO<sub>2</sub> and 13 to 19 % of Ta<sub>2</sub>O<sub>5</sub>, wherein the total content of SiO<sub>2</sub>, B<sub>2</sub>O<sub>3</sub> and GeO<sub>2</sub> is 14 to 20 % by weight, the total content of B<sub>2</sub>O<sub>3</sub> and ZnO is at least 9 % by weight and the total content of La<sub>2</sub>O<sub>3</sub>, Gd<sub>2</sub>O<sub>3</sub>, Y<sub>2</sub>O<sub>3</sub>